EP 2 262 160 A1 20101215

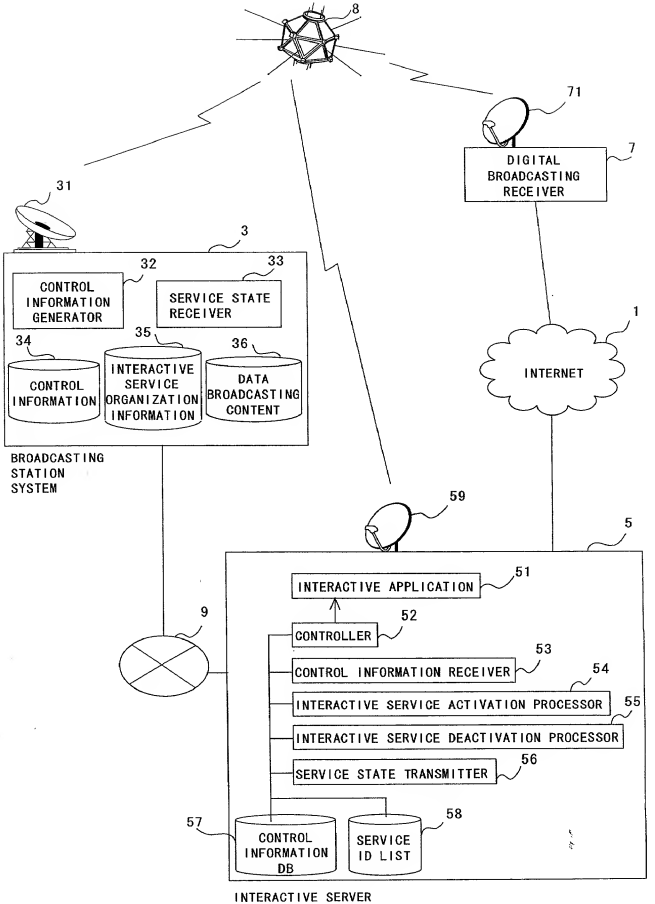

FIG. 1

TOHKEMY 2005-039660

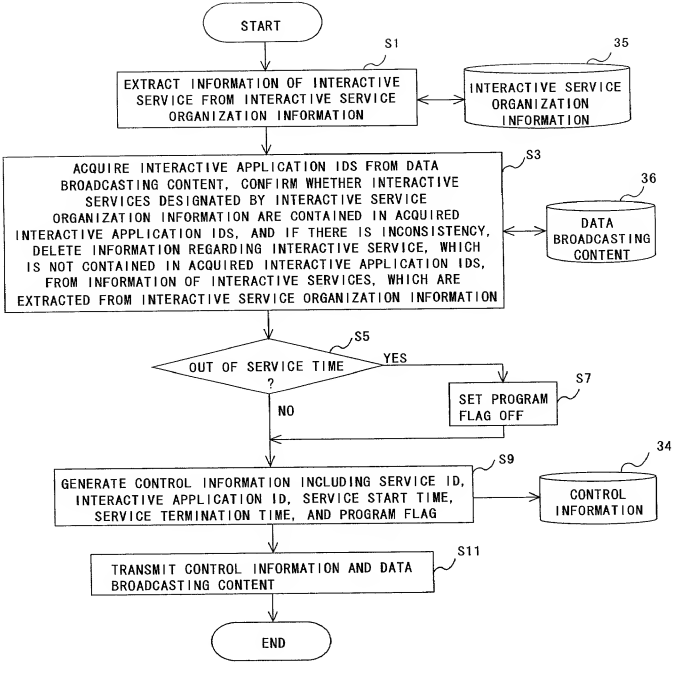

FIG. 2

301 SERVICE ID	302 BROADCASTING DATE	303 BROADCASTING START TIME	304 BROADCASTING TERMINATION TIME	305 MATERIAL ID	306 BROADCASTING PROGRAM NAME	307 BROADCASTING PROGRAM KANA	308 SERVICE NAME	309 SERVICE START TIME	310 SERVICE TERMINATION TIME
101	2001/2/27	19:00	20:00	quizA.bml	@quiz	AT-QUIZ	QUIZ1	19:10:30	19:20:30
101	2001/2/27	19:00	20:00	quizA.bml	@quiz	AT-QUIZ	QUIZ2	19:15:00	19:25:00
101	2001/2/27	19:00	20:00	quizA.bml	@quiz	AT-QUIZ	QUIZ3	19:18:00	19:28:00
101	2001/2/27	19:00	20:00	quizA.bml	@quiz	AT-QUIZ	QUIZ4	19:25:30	19:35:30
701	2001/2/27	13:00	14:00	quizA.bml	digi-quiz	DIGI-QUIZ	QUIZ1	13:00:00	13:20:00
701	2001/2/27	13:00	14:00	quizA.bml	digi-quiz	DIGI-QUIZ	QUIZ2	13:10:30	13:30:30
701	2001/2/27	13:00	14:00	quizC.bml	digi-quiz	DIGI-QUIZ	QUIZ3	13:19:00	13:39:00
701	2001/2/27	13:00	14:00	quizC.bml	digi-quiz	DIGI-QUIZ	QUIZ4	13:25:30	13:45:30
501	2001/2/27	20:00	21:00	quizA.bml	@quiz	AT-QUIZ	QUIZ1	20:10:30	20:20:30
501	2001/2/27	20:00	21:00	quizA.bml	@quiz	AT-QUIZ	QUIZ2	20:15:00	20:25:00
501	2001/2/27	20:00	21:00	quizA.bml	@quiz	AT-QUIZ	QUIZ3	20:18:00	20:28:00
501	2001/2/27	20:00	21:00	quizA.bml	@quiz	AT-QUIZ	QUIZ4	20:25:30	20:35:30

FIG. 3

401 MATERIAL ID	402 SERVICE NAME	403 INTERACTIVE APPLICATION ID
quizA.bml	QUIZ1	A-01
quizA.bml	QUIZ2	A-02
quizA.bml	QUIZ3	B-01
quizA.bml	QUIZ4	B-02
quizC.bml	QUIZ3	B-03
quizC.bml	QUIZ4	B-04

FIG. 4

501 SERVICE ID	502 INTERACTIVE APPLICATION ID	503 DATE	504 SERVICE START TIME	505 SERVICE TERMINATION TIME	506 PROGRAM FLAG
101	APPLICATION ID-A1	2001/2/27	START TIME-1	TERMINATION TIME-1	ON OR OFF
101	APPLICATION ID-A2	2001/2/27	START TIME-2	TERMINATION TIME-2	ON OR OFF
101	APPLICATION ID-A3	2001/2/27	START TIME-3	TERMINATION TIME-3	ON OR OFF
101	APPLICATION ID-B1	2001/2/27	START TIME-4	TERMINATION TIME-4	ON OR OFF
101	APPLICATION ID-B2	2001/2/27	START TIME-5	TERMINATION TIME-5	ON OR OFF
701	APPLICATION ID-B1	2001/2/27	START TIME-6	TERMINATION TIME-6	ON OR OFF
701	APPLICATION ID-B2	2001/2/27	START TIME-7	TERMINATION TIME-7	ON OR OFF

FIG. 5

601 SERVICE ID	602 INTERACTIVE APPLICATION ID	603 DATE	604 SERVICE START TIME	605 SERVICE TERMINATION TIME	606 PROGRAM FLAG
501	APPLICATION ID-A1	2001/2/27	START TIME-11	TERMINATION TIME-11	ON OR OFF
501	APPLICATION ID-A2	2001/2/27	START TIME-12	TERMINATION TIME-12	ON OR OFF
501	APPLICATION ID-A3	2001/2/27	START TIME-13	TERMINATION TIME-13	ON OR OFF
501	APPLICATION ID-B1	2001/2/27	START TIME-14	TERMINATION TIME-14	ON OR OFF
501	APPLICATION ID-B2	2001/2/27	START TIME-15	TERMINATION TIME-15	ON OR OFF

FIG. 6

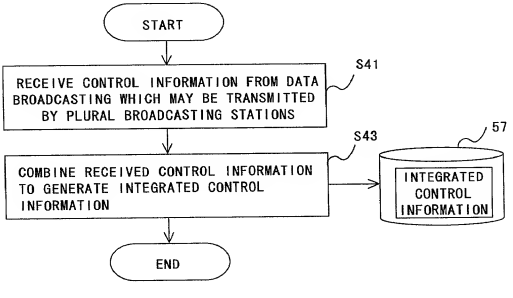

FIG. 8

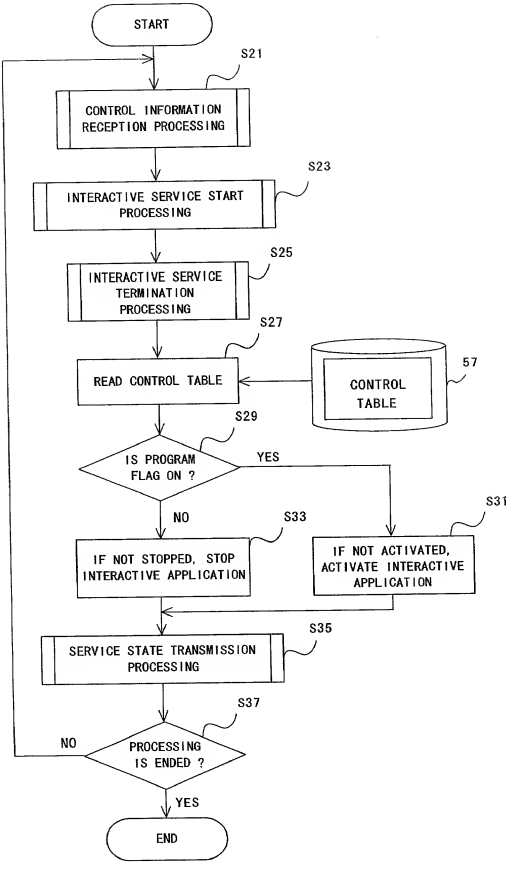
START
S21
CONTROL INFORMATION RECEPTION PROCESSING
S23
INTERACTIVE SERVICE START PROCESSING
S25
INTERACTIVE SERVICE TERMINATION PROCESSING
S27
READ CONTROL TABLE
CONTROL TABLE
57
S29
IS PROGRAM FLAG ON ?
YES
NO
S33
IF NOT STOPPED, STOP INTERACTIVE APPLICATION
S31
IF NOT ACTIVATED, ACTIVATE INTERACTIVE APPLICATION
S35
SERVICE STATE TRANSMISSION PROCESSING
S37
NO
PROCESSING IS ENDED ?
YES
END

FIG. 7

901 SERVICE ID	902 INTERACTIVE APPLICATION ID	903 DATE	904 SERVICE START TIME	905 SERVICE TERMINATION TIME	906 PROGRAM FLAG
101	APPLICATION ID-A1	2001/2/27	START TIME-1	TERMINATION TIME-1	ON OR OFF
101	APPLICATION ID-A2	2001/2/27	START TIME-2	TERMINATION TIME-2	ON OR OFF
101	APPLICATION ID-A3	2001/2/27	START TIME-3	TERMINATION TIME-3	ON OR OFF
101	APPLICATION ID-B1	2001/2/27	START TIME-4	TERMINATION TIME-4	ON OR OFF
101	APPLICATION ID-B2	2001/2/27	START TIME-5	TERMINATION TIME-5	ON OR OFF
701	APPLICATION ID-B1	2001/2/27	START TIME-6	TERMINATION TIME-6	ON OR OFF
701	APPLICATION ID-B2	2001/2/27	START TIME-7	TERMINATION TIME-7	ON OR OFF
501	APPLICATION ID-A1	2001/2/27	START TIME-11	TERMINATION TIME-11	ON OR OFF
501	APPLICATION ID-A2	2001/2/27	START TIME-12	TERMINATION TIME-12	ON OR OFF
501	APPLICATION ID-A3	2001/2/27	START TIME-13	TERMINATION TIME-13	ON OR OFF
501	APPLICATION ID-B1	2001/2/27	START TIME-14	TERMINATION TIME-14	ON OR OFF
501	APPLICATION ID-B2	2001/2/27	START TIME-15	TERMINATION TIME-15	ON OR OFF

FIG. 9

EP 1 026 260 A2 09960

EP 2 262 260 A1

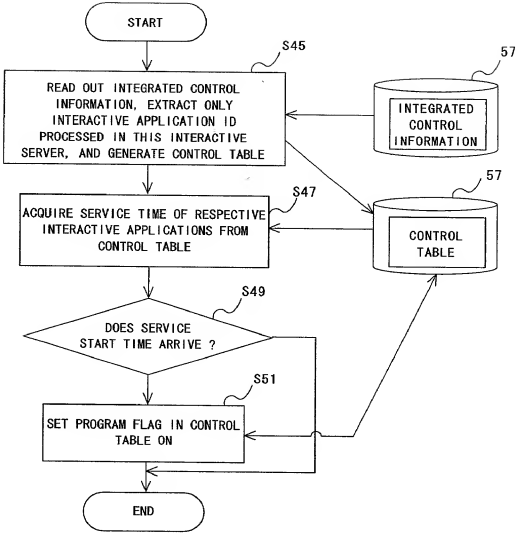

FIG. 10

1101 SERVICE ID	1102 INTERACTIVE APPLICATION ID	1103 DATE	1104 SERVICE START TIME	1105 SERVICE TERMINATION TIME	1106 PROGRAM FLAG
101	APPLICATION ID-A1	2001/2/27	START TIME-1	TERMINATION TIME-1	ON OR OFF
101	APPLICATION ID-A2	2001/2/27	START TIME-2	TERMINATION TIME-2	ON OR OFF
101	APPLICATION ID-A3	2001/2/27	START TIME-3	TERMINATION TIME-3	ON OR OFF
501	APPLICATION ID-A1	2001/2/27	START TIME-11	TERMINATION TIME-11	ON OR OFF
501	APPLICATION ID-A2	2001/2/27	START TIME-12	TERMINATION TIME-12	ON OR OFF
501	APPLICATION ID-A3	2001/2/27	START TIME-13	TERMINATION TIME-13	ON OR OFF

FIG. 11

T01260*T0209660

Tokkyo Tosho

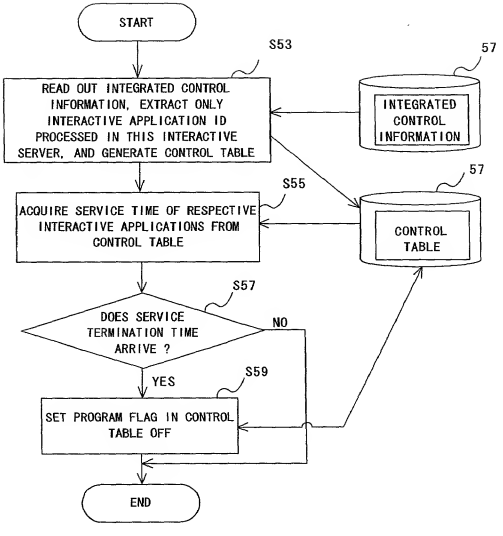

FIG. 12

Patented: December 29, 2009

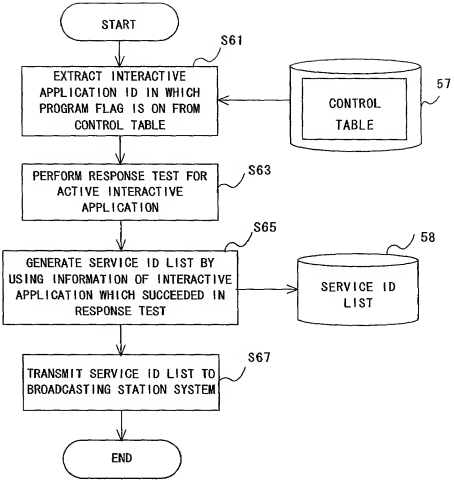

FIG. 13

EP 1 760 960 A1

1401	1402	1403
INTERACTIVE APPLICATION ID	SERVICE ACTIVATION STATE	SERVICE TERMINATION TIME
APPLICATION ID-A1	ACTIVE	TERMINATION TIME-1
APPLICATION ID-A2	ACTIVE	TERMINATION TIME-2
APPLICATION ID-A3	ACTIVE	TERMINATION TIME-3
APPLICATION ID-A1	ACTIVE	TERMINATION TIME-11
APPLICATION ID-A2	ACTIVE	TERMINATION TIME-12
APPLICATION ID-A3	ACTIVE	TERMINATION TIME13

FIG. 14

TOHKEN-P2009660

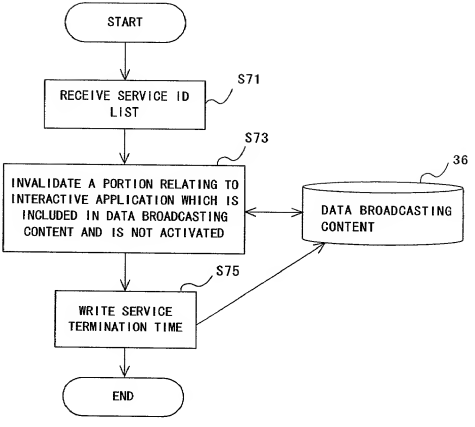

FIG. 15